BULETINUL DE INFORMAŢII

AL GRĂDINII BOTANICE ŞI AL MUZEULUI BOTANIC DELA UNIVERSITATEA DIN CLUJ.

BULLETIN D'INFORMATIONS

DU JARDIN ET DU MUSÉE BOTANIQUES DE L'UNIVERSITÉ DE CLUJ ROUMANIE.

IMPERIAL BUREAU OF MYCOLOGY
2 JULY 1929

REDACTAT DE : — REDIGÉ PAR :
ALEXANDRU BORZA.

VOL. IV. 1924.

CU 3 TABELE ŞI 7 FIG. ÎN TEXT.
AVEC 3 PLANCHES ET 7 FIGURES.

CLUJ.
INSTITUTUL DE ARTE GRAFICE „ARDEALUL"
1924.

Cuprinsul. — Table des matières.

No. 1.

Pag.

Al. Borza: Protecţiunea naturii în România (Cu o hartă) . . . . . 1—24

B. Páter: Eine Beobachtung am Eichenmehltau — Microsphaera quercina Burill. 25—26

— O observaţiune asupra făinării stejarului — Microsphaera quercina Burill. 26

Al. Borza et **E. Pop:** Bibliographia botanica Romaniae . . . . . 26—30

Societăţi ştiinţifice. — Sociétés scientifiques . . . . . . 30—31

No. 2—3.

Al. Borza: Despre câteva Centauree din România. — Sur quelques Centaurées de Roumanie (Cu o tabelă) . . . . 33—34

Schedae ad „Floram Romaniae exsiccatam" a Museo Botanico Universitatis Clusiensis editam, directore **Al. Borza.** Cent. IV et V 38—78

E. I. Nyárády: Contribuţiuni la cunoaşterea vegetaţiei şi florei muntelui Ceahlău. — Zur Kenntnis der Pflanzendecke des Ceahlău (Cu 4 figuri) . . . . 79—88

Societăţi ştiinţifice. — Sociétés scientifiques 88

No. 4.

P. Enculescu: Contribuţiuni la Vegetaţia fanerogamică a Insulei Şerpilor (Cu 2 figuri) . . . . 89—94

Contributions à la Végétation phanérogamique de l'Ile des Serpents (Résumé) . . . . 94—95

E. I. Nyárády: Adnotaţiuni la Flora României I. . . . . 95—97

Glossen zur Flora Rumaeniens I (Résumé) . . . . . . 97—98

B. Páter: Experienţe de culturi cu plante medicinale . . . . . 98—100

Culturversuche mit Medizinalpflanzen (Résumé) . . . 100

Al. Borza et **E. Pop:** Bibliographia botanica Romaniae . . . . 101—106

Al. Borza: Dare de seamă despre starea Muzeului Botanic şi a Grădinei Botanice dela Univ. din Cluj în anii 1923 şi 1924 (Cu o fig.) . . . . 106—116

Compte rendu sur l'activité du Musée et du Jardin botaniques de l'Université de Cluj pendant les années 1923 et 1924 (Résumé) . . . . 116—117

Recenzii. M Ionescu—Balea: Les dunes de l'Oltenie (I. Grinţescu) 117—118
Gh. P. Grinţescu: Botanica Farmaceutică (Al. Borza) . 118—119
Informaţiuni . . . . 119—120
Societăţi ştiinţifice. — Societés scientifiques 121
Personalia 122
Gh. Bujorean: Date meteorologice pe anul 1924, culese de Staţiunea meteorologică a Grădinei Botanice din Cluj (cu o schiţă diagramatică) . . . . 122—124

Appendix.

Catalog de seminţe oferite pentru schimb de Grădina Botanică a Universităţii din Cluj. — **Catalogue des graines** offertes en échange par le Jardin Botanique de l'Université de Cluj, Roumanie. 1924 . . . . 1 – 20

INDEX.

Nomina plantarum novarum typis **crassis** sunt impressa.

Abies alba 80. — *Acer pseudoplatanus* 80, 81. — *Achillea leptophylla* 73; *stricta* 83. — *Aconitum moldavicum* 81. — **Agropyrum Brandzae** 47; *repens* 91; 92. — *Ajuga reptans* 82. — *Alchemilla vulgaris* 81. — *Alectoria ochroleuca* 84. — *Allium ammophilum* 50; *atropurpureum* 51; *descendens* 50; *flavum* 51; *guttatum* 51; *victoriale* 83; *vineale* 51. — *Alnus glutinosa* 55; *incana* 80, 81. — *Althaea cannabina* 64; *pallida* 64; *rosea* var. *nigra* 99. — Alunele americane 99. — *Alyssum hirsutum* 60; *murale* 60 et f. **stellulatum** 60; *repens* 82, 87. — *Amarantus retroflexus* 91. — *Anchusa procera* et f. **glabrescens** 69. — Andronescu D. 101. — *Anthemis tinctoria* 82. — *Anthoxanthum odoratum* 81. — *Anthriscus cerefolium* 88. — *Anthyllis vulneraria* 87. — Antonescu G. P. 44. — *Arabis alpina* 82; *hirsuta* 81. — *Arachis hypogaea* 99, 100. — *Artemisia Baumgartenii* 87. — *Arthrolobium scorpioides* 62. — *Asarum europaeum* 8?. — Asociaţia jepilor pe Ceahlău 82. — *Astragalus penduliflorus* 96; *Römeri* 105. — Atanasescu A. 101. — Athanasiu S. 101. — *Atragene alpina* 81. — *Atriplex tataricum* 91, 92.

Betula verrucosa 80, 81. — Bibliographia botanica Romaniae 27, 101. — *Biscutella alpestris* 82. — Borcia I. 27. — Borza Al. 2, 27, 30, 31, 39, 40, 43, 44, 45, 50, 51, 52, 53, 55, 56, 57, 58, 59, 60, 61, 62, 63 67, 68, 69, 73, 74, 75, 76, 77, 83, 88, 101, 116. — Botanica Farmaceutică 118. — *Botrychium virginianum* 31. — Brândza M. 27, 101. — *Brassica elongata* 59. — Brebenaru I. 102. — *Bromus commutatus* 46; *fibrosus* 47; *inermis* 47; *laponicus* var. *subsquarrosus* 46; *mollis* 91, 93, 94; *squarrosus* et v. *villosus* 47; *tectorum* 91, 93, 94. f. *longipilus* 47. — *Bucegia romanica* 105. — Bujorean Gh. 30, 43, 44, 45, 47, 48, 49, 50, 51, 52, 53, 55, 56, 58, 60, 61, 63, 65, 67, 68, 69, 74, 76.

Calamagrostis epigeios 91, 93; *villosa* 83, 86; — *Caltha alpestris* 59; *cornuta* 58; *laeta* 58, 81. — *Campanula alpina* 83, 85, 87; *carpatica* 87; *Kladniana* 106; *Kladniana* ssp. *stenophylla* 72; *rapunculoides* 72; *rapunculus* 69; *sibirica* 71; *trachelium* 82. — *Capsella bursa pastoris* 88, 91. — *Cardamine impatiens* 81. — *Carduus candicans* 76; *Kerneri* 76. – *Carex alba* 80, 81, 87; *caryophyllea* 82. 87; *curvula* 87; *digitata* 81; *distans* 81, 87; *Dufftii* 80, 81, 87. 88; *elongata* 49; *flava* 81; *glauca* 81; *humilis* 87, 88, 49; *leporina* 81, 87; *limosa* 96, 97, 98; *montana* 49; *muricata* 81, 87; *nitida* 97, 98; *ornithopoda* 80. 81, 87; *pallescens* 81, 87; *remota* 81; *riparia* 49; *rupestris* 87, 88; *sempervirens* 87: *silvatica* 71, 87; *tomentosa* 82, 87; *Transsilvanica* 80, 81, 87. — *Carlina acaulis* 82. — *Carpinus* 80. — *Celogyne cristata* 31. — Cemortan M. 102. — *Centaurea arenaria* 76; *calvescens* 33, 34, 35, 36, 37; *carpatica* 76; *dacica* 35, 37; *diffusa* f. **basarabensis** 33, 34, 37; *Dioszegiana* 37; *fastigiata* 35; *micranthos* 33, 34, 35, 36, 37; neo-Rhenana 36; paleo-Rhenana 36; *Petteri* 35; *plumosa* 75; pseudo-Rhenana 37; *Reichenbachioides* 35, 36; *Rhenana* 35, 36; *ruthenica* 76; *stricta* v. **Angelescuii** 75; *Tauscheri* 37; *tenuiflora* 35; *toroczkoeensis* 37; *triniaefolia* 35. — *Cerastium anomalum* 56; *arvense* ssp. *calcicolum* 56; *arvense* var. **eglandulosum** 56; *cerastioides* 56; *lanatum* 83, 87; *transsilvanicum* 96. — *Ceratodon purpureus* 40. — Cercul botanic Cluj 30, 88. — *Cetraria cucullata* 85; *islandica* 40, 48. — *Chenopodium bonus Henricus* 81; *opulifolium* 91, 92, 93; *vulvaria* 55. — Chiriţescu-Arva M. 27, 102. — *Chlorocyperus glaber* 31. — *Chrysanthemum millefoliatum* 73. — *Chrysopogon gryllus* 44. — *Chrysosplenium alternifolium* 81; — Ciomag I. L. 102. — *Circaea alpina* 81. — *Cirsium arvense* 82; *decussatum* 77; **dobrogense** 31; *furiens* 76; *lanceolatum* 77. — *Cladium mariscus* 48. — *Cladonia alpestris* 84; *gracilis* 84, 85; *rangiferina* var. 84. — *Colchicum autum-*

nale v. *pannonicum* 49; *turcicum* 49. — Compte rendu sur l'activité du Musée et du Jardin Botaniques de l'Université de Cluj 116. — *Conringia orientalis* 60. — Contribuţiuni la Veg. Ins. şerpilor 89. — *Cortusa Matthioli* 81. — *Corydalis cava* 59; *solida* 59. — *Corylus* 80. — *Corylus avellana* α *silvestris* 55; *colurna* 55. — *Cotoneaster integerrima* 87. — *Crambe maritima* prol. *pontica* 60. — *Crataegus monogyna* 81. — *Crocus aureus* 52; *banaticus* 52; *Heuffelianus* 52; *Pallasii* 52. — Cultura Nalbei netede 98. — Culturversuche mit Medizinalpflanzen 100. — *Cyclamen durostoricum* 78. — *Cynanchum acutum* 69. — *Cynodon dactylon* 91, 93. — *Cynoglossum officinale* 82. — *Cystosira barbata* v. *concatenata* 39. — *Cytisus nigricans* v. *sericeus* 61.

Danthonia calycina 46. — *Daphne cneorum* 67; *Mezereum* 67, 81. — Dare de seamă despre starea Muzeului Bot. şi a Grăd. Bot. Cluj 106. — Demetrovici M. 27. — *Dentaria glandulosa* 82. — *Deschampsia caespitosa* 45, 82, 83; *flexuosa* 45. — *Dianthus capitatus* v. **moldavicus** 57; *narditormis* 57; *polymorphus* 57. — *Dichostylis hamulosa* 31, 48. — *Dicranum brevifolium* 85; *elongatum* 85; *grönlandicum* 85, 86. — Dimonie M 51, 102. — Dobrescu I. 102. — *Doronicum hungaricum* 73. — *Draba Kotschyi* 87; *verna* 88. — *Dryas octopetala* 87.

Eichenmehltau 25. — Enculescu P. 48, 89, 102. — Enescu I. 102. — *Epilobium tetragonum* 93. — *Equisetum arvense* 81; *hiemale* v. *genuinum* 43, 81, 87; *limosum* 42; *palustre* 42; *ramosissimum* 43; *variegatum* 81. — *Eragrostis minor* 91; *poeoides* 92. — *Erigeron canadense* 91, 93, 94. — *Eritrichium Jankae* 87. — *Erodium cicutarium* 91. — *Eryngium maritimum* 68. — *Erysiphe galeopsidis* 39. — *Euphorbia amygdaloides* 64, 81; *angulata* 63; *cyparissias* 81; *Gerardiana* 64; *humifusa* 63; *paradoxa* 63; *paralias* 64; *peplis* et var. *erythrocaulis* 63; *platyphylla* 81; *villosa* 63. — *Eurhynchium praelongum* 42. — Experienţe de culturi cu plante medicinale 98. — Expoziţia de fructe 115, 119.

Fagus 80, 81. — Făinarea stejarului 26 — Faraudo C. 28. — *Ferula Heuffelii* 68. — *Ferulago silvatica* 68. — *Festuca glauca* v. *scabrifolia* 31; *supina* 83, 84, 86, 87. — *Filago arvensis* 91. — *Fimbristylis annua* 31. — Flora muntelui Ceahlău 79. — Florescu I. 102. — Florescu M. P. 28. — Florov N. 102. — *Fragaria vesca* 81. — Fröhlich I. 102.

Galium aparine 82; *Schultesii* 82; *vernum* 82, 87; *verum* 82. — *Genista germanica* 62; *sagittalis* 62. — *Gentiana verna* 82. — *Geranium Robertianum* 81; *pusillum* 88. — *Glechoma hirsuta* 82. — Glossen zur Flora Romaeniens 97. — *Gnaphalium luteo-album* 77. — Grădinescu Ar 28. — Grinţescu G. P. 28, 44, 50, 52, 54, 58, 59, 66, 68, 69, 71, 75, 103, 118. — Grinţescu I. 30, 31, 39, 43, 44, 51, 60, 62, 64, 83, 88, 103. — *Gyrophora vellea* 40. — Guşuleac M. 42, 63, 103. — Guthrie I. D. 28. — Gürtler C. 31, 39, 44, 46, 49, 52, 57, 60, 69, 72, 73 74, 76, 77, 88.

Hayek A. 28. — *Haynaldia villosa* 48. — Haret M. 103. — *Hedwigia ciliata* v. *viridis* 41. — *Hedysarum grandiflorum* 62. — *Helianthemum hirsutum* 81; *rupifragum* 87. — *Helichrysum arenarium* 77. — *Helleborus odorus* 58; *purpurescens* 58. — *Hieracium alpinum* 83; *pilosella* 82; *silvaticum* 82. — *Hierohloe australis* 45; *odorata* 45. — *Holosteum umbellatum* v. *glutinosum* 55. — *Homalothecium sericeum* 42. — *Homogyne alpina* 82. — *Hordeum murinum* 91, 93. — Hummelbaur W. 28. — *Hylocomium splendens* 82, 84. — *Hypnum rugosum* 84. — *Hypochaeris radicata* 82.

Iacob M. 57, 59, 63. — Informaţiuni 119. — Insula Şerpilor 89. — Ionescu Gh. 28, 103 — Ionescu Şişeşti G. 103. — *Isopyrum thalictroides* 53. — Ittu M. 103. — *Juncus Tommasinii* 31, 49. — *Iuniperus nana* 80, 82, 85.

Krammer A. 103. — Klein 28. — Knechtel W. K. 28, 103. — Kritische Riedgräser.

Lacroix I. 28. — *Lactuca muralis* 82; *scariola* 91, 93. — *Larix europaea* 30; *polonica* 44, 80; *sibirica* 30. — *Lavathera thuringiaca* 64 — *Lepidium perfoliatum* 91, 94; *ruderale* 91, 93. — *Lepturus pannonicus* 48. — *Leucojum aestivum* 51: *vernum* 51. — *Lèuzea salina* 75. — *Linum catharticum* 81; *nervosum* 62; *tenuifolium* 62; *Listera ovata* 81; *Lithospermum officinale* 82. — *Lloydia serotina* 87. — *Lonicera xylosteum* 81. — *Lunularia cruciata* 41. — *Luzula angustifolia* 81; *campestris* 81; *cuprina* 85, 86; *maxima* 82; *pallescens* 81, 87, 88; *pilosa*

81 ; *sudetica* 87. — *Lycaste Skinneri* 31. — *Lycopodium alpinum* 43; *annotinum* 43; *clavatum* 43; *selago* 83, 87.

Maior G. 104. *Majanthemum bifolium* 81. — *Malva glabra* 98, 100; *rotundifolia* 91; *silvestris* 91, 92, et var. *glabra* 98, 100. — Manolescu Th. 31. — *Matricaria chamomilla* f. **debilis** 73; *discoidea* 74; *inodora* 91, 92. — *Mattia umbellata* 69. — *Medicago marina* 62. — *Melampyrum saxosum* 96. *Melica nutans* 81. — *Metzgeria furcata* 41; *pubescens* 40. — *Microsphaera quercina* 25, 26. — *Mnium stellare* 41. — *Moehringia trinervia* 81. — Moesz G. 28. — *Mulgedium tataricum* 73. — Munteanu A. 104. — Murgoci G. 104. — Mühldorf A. 40, 41, 42. — *Myricaria germanica* 80.

Namystovsky B. 28. — *Neckera camplanata* v. *longifolia* 41; *crispa* 42. — *Nephrodium dryopteris* 81; *Filix mas* 81; *phegopteris* 81. — Netolitzky F. 28, 104, — Nyárády I. E. 29, 31, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 58, 59, 61, 62, 63, 64, 65, 66, 67, 68, 69, 72, 73, 74, 76, 77, 79, 88, 95, 104.

Olaru D. 29. — Oprescu A. 104. — *Orchis mascula* 81. Orient I. 104. — *Orlaya grandiflora* 68. — *Ornithogallum Boucheanum* 50; *refractum* 50, 88; *tenuifolium* 50; *umbellatum* 50. — *Oryzopsis holciformis* 45; *virescens* 45. — *Oxalis acetosella* 81.

Pajiştea subalpină pe Ceahlău 82. — Panţu Z. 29, 48, 57, 62, 78, 104. — *Paphiopedilum villosum* 31. — Papp C. 104. — Păsculescu-Buftea I. 29. — Pater B. 25, 26, 29, 31, 98, 100, 104. — Pax F. 44, 104. — *Pedicularis versicolor* 83, 87. — *Petasites albus* 82; *hybridus* 82; *kablikianus* 82 — Péterfi M. 41, 42, 45, 46, 49, 50, 53, 54, 55, 60, 61, 63, 64, 66, 74, 76. — Petrescu C. 29. — Petrini E. 29, 104. — *Phleum montanum* 45. — *Phragmites communis* 91, 92. — *Phyteuma pauciflorum* 72. — *Picea excelsa* 80, 86. *Pinus montana* ssp. *mughus* 44, 80, 84, 86; *silvestris* 80. — *Pirola rotundifolia* 87. — *Plantago lanceolata* 81. — *Poa annua* 81; *compressa* 46; *pratensis* 81. — *Polygala amara* 81; *comosa* 81. - *Polygonum viviparum* 83, 85, 87. — *Polystichum lonchitis* 81; *strictum* 84, 86. — Pop E. 27, 29, 31, 44, 45 46, 50, 51, 52, 54, 56, 58, 59, 61, 67, 88. — Pop I. 59, 67, 73. — Popescu C. T. 29. — Popescu-Severin D. 29. — Popov Th. 29. — *Populus canescens* f. *denudata* 53; *balsamifera* 31; *tremula* 80. — Porucic T. 104. — *Potentilla anserina* v. *sericea* 81. - *Primula acaulis* 60; *leucophylla* 82; *officinalis* 82. — Prişcu M. 40, 46, 63, 88. — Prodan I. 29, 45, 49, 63, 64, 68, 74, 76, 105. — Protecţiunea naturii în România 2. — Prşemeţchii Z. 105. — *Prunus avium* v. *silvestris* 61; *nana* 61. — *Pteridium aquilinum* 81; Publicaţiile Muzeului 108. — *Puccinia malvacearum* 94, 99, 100.

Quercus 80.

Radian S. Şt. 105. — *Ranunculus acer* 81; *aquatilis* v. *peltatus* 59; *carpaticus* 82; *polyphyllus* 59; *repens* 81; *Steveni* 82, 87. — Rayss T. 57, 63, 105. — Recenzii 117. — *Ribes grossularia* 81. — Römer I. 105. — *Rumex acetosa* 88; *acetosella* β. *multifidus* 91, 92; *arifolius* 82; *patientia* 91, 93. — *Ruscus aculeatus* 51.

Salicornia herbacea 55. — *Salix alba* 53; *caprea* 81; *cinerea* 54; *fragilisalba* v. *excelsior* 53; *fragilisalba* var. *palustris* 53; *incana* 80, 81; *Kitaibelii* 80, 87; *purpurea* 54, 81; *repens* 54; *subcaprea* 54, 81, 87; *triandra* f. *concolor* 54. — *Salvia glutinosa* 82; *verticillata* 82. — *Sambucus ebulus* 82; *nigra* 81; *racemosa* 80. — Sandu-Aldea C. 29. — *Sanguisorba minor* 81. — *Sanicula europaea* 81. — *Saponaria bellidifolia* 36. — Săvulescu T. 29, 57, 59, 63, 69, 71, 72, 105. — *Saxifraga aizoon* 87; *androsacea* 83; *hirculus* 95, 96, 97; *luteo viridis* 82, 87; *oppositifolia* 82, 83, 87. — *Scabiosa lucida* 87. — Schedae ad „Floram Romaniae exsiccatam“ 38, 105. — Scheidegger C. Th. 29. — *Scleropodium purum* 42. — Schröter C. 44. — Şedinţa Cercului botanic 30, 31, 38. — Şedinţa Societăţei de Ştiinţe din Cluj 30. — *Sedum glaucum* 60. — *Sempervivum Simonkaianum* 87. — *Senecio barbareaefolius* 47; *carpaticus* 74; *erucifolius* 74; *fluviatilis* 74; *Fuchsii* 74; *viscosus* 74. — Serviciul de schimb cu Buletinul de inform. 108, 109. — Serviciul de schimb de seminţe şi plante 113. — *Sesleria Bielzii* 83; *coerulans* 82; *rigida* 46; — *Setaria glauca* 91, 94; *viridis* 91, 94. — Simionescu I. 30, 105. — *Silene quadrifida* 80; *Zawadzkyi* 87. — Societatea de Ştiinţe Cluj 30, 88. — Solacolu Th. 30, 44, 48, 57, 62, 73, 78. — *Solanum miniatum* 91, 93; *nigrum* 91, 92. — *Soldanella hungarica* 82. — *Sonchus arvensis* 73, 91, 93 et var. *uliginosum* 72; *asper* 91, 94 et var. *pungens* 91, 93. — *Sorbus*

aucuparia 80, 81 et var. *lanuginosa* 61; *dacica* 61. — *Spergularia* sp. 94. — *Sphaerotheca* humuli 39. — *Sphagnum acutum* var. 85. — *Spiraea ulmifolia* 31. — Stamatin M. 69. — *Stanhopea tigrina* et *oculata* 88. — Stănescu P. P. 30. — Staţiunea meteorologică a Grădinii bot. Cluj 116. — Ştefănescu D. I. 30, 105. — *Stellaria media* 88. — Stoianoff N. et B. Stefanoff 30. — Szafer Wl. 30. — *Symphytum cordatum* 82.

Tamus communis 52. — *Taraxacum megalorrhizon* 88; *officinale* 91, 92. — Teodoresco M. E. C. 30. — Teodorescu I. C. 105. — *Thamnalia vermicularis* 85, 86 — *Thesium alpinum* 67. — *Tortella tortuosa* 40. — *Tortula papillosa* 41. — *Trichocladia astragali* 39. — *Trifolium montanum* 81, 91. — *Triglochin maritimum* 44; *palustre* 44, 81, 97 — *Trinia glauca* 68; *Kitaibelii* 68. — Tundre uscate şi umede pe Ceahlău 82. — *Tunica prolifera* 56. — *Tussilago farfara* 82.

Uncinula salicis 39. — Ungar K. 66, 75, 106. — *Usnea barbata* α *florida* 40. — Utilizarea grădinii 115.

Vaccinium myrtillus 82, 84; *uliginosum* 83, 84, 87; *vitis idaea* 82, 84, 87. — *Valeriana tripteris* 82. — *Valerianella costata* 88 — Vegetaţia Ins. şerpilor 89. — Vegetaţia muntelui Ceahlău şi stâncilor pe Ceahlău 79, 82. *Ventenata dubia* 46. — *Veratrum Lobelianum* 82. — *Verbascum lychnitis* 82. — *Veronica be cabunga* 82, 87; *chamaedrys* 82; *serpyllifolia* 82; *urticifolia* 82. — *Vicia sepium* 81; sp. 91. — *Viola ambigua* 65; *alpina* 66, 82, 84, 87; *biflora* 66; *cyanea* 65; *elatior* 66; *hirta* 65, 81, 82, 87; *loói* 66; *odorata* 64 et v. *variegata* 65; *palustris* 64; **Péterfii** 66; *revoluta* 67; *silvatica* 81, 87. — *Vulpia myuros* 91, 93, 94.